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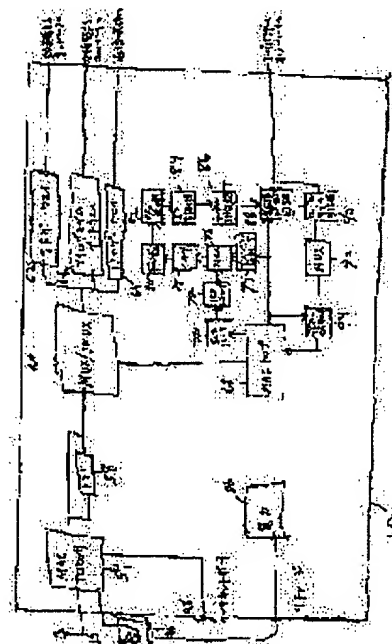
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(54) DEVICE AND METHOD FOR PROVIDING INTERFACE BETWEEN RADIO LOCAL AREA INFORMATION NETWORK AND CABLE COMMUNICATION SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an interface between a radio LAN and a gateway by detecting a message to be transmitted by a first mobile unit, discriminating, determining whether a route for other mobile unit is determined in the message or it is transferred to other channel and a route for other type of communication station is determined in the message and connecting the gateway with an access point.

SOLUTION: A function to transmit and receive a data frame by a proper format, to transmit the data frame from a transmitter/receive 52 at proper time or to make the transmitter/receiver 52 receive the data frame is executed by a medium access control MAC processor 54. The processor 54 is connected with a memory 58 to buffer a data packet. The memory 58 is connected with a switch to perform a processing and switching to determine the route of the data packet, namely, a processor and a multiplexer/demultiplexer 60. A signal received from a cable is received by a cable modem receiver 90 to transfer information to the multiplexer/demultiplexer 92.

**LEGAL STATUS**

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